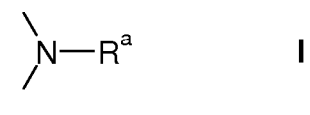


This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended): In an electronic device comprising at least one dielectric layer, the improvement wherein said dielectric layer is formed from a composition comprising:  
~~component A: at least one organic amine derivative, which is capable of forming a crosslinked polymer with itself and/or with at least one multifunctional compound, and/or its crosslinked polymer product obtainable by crosslinking said at least one organic amine derivative with itself or with at least one multifunctional compound,~~  
~~component B: at least one multifunctional organic compound with at least two functional groups selected from OH, NH<sub>2</sub>, COOH, and their reactive derivatives, capable of reacting with at least one component A to form a crosslinked polymer, and~~  
~~optionally component C: at least one initiator for the polymerization of said at least one organic amine derivative with itself of component A or components A and B,~~  
~~wherein the total amount of organic amine derivatives in said composition is at least 75% by weight, based on the total weight of (a) organic amine derivatives, (b) multifunctional organic compounds with at least two functional groups selected from OH, NH<sub>2</sub>, COOH, and their reactive derivatives, and (c) initiators~~  
wherein said at least one amine derivative comprises two or more identical or different groups of subformula I



wherein

R<sup>a</sup> is H, -(CR'R'')<sub>v</sub>-CO]<sub>t</sub>-R''', -(CR'R'')<sub>v</sub>-O-]<sub>t</sub>-R''' or -(CR'R'')<sub>v</sub>-NHZ,

R', R'', R''' are independently of each other H, an alkyl group with 1 to 12 C-atoms which may be substituted by halogen, or an alkenyl group with 2 to 12 C-atoms which may be

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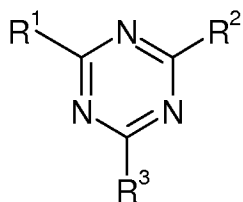
substituted by halogen,

Z is H or a protective group,

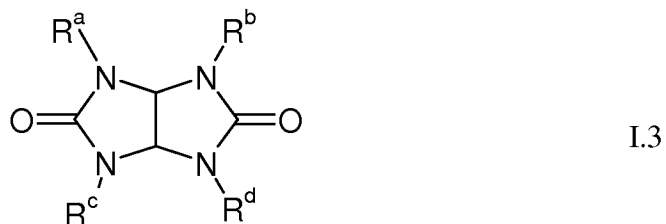
v is 0 or greater or equal to 1, and

r is greater or equal to 1, wherein if v is 0, then r is 1.

2. (Cancelled):
3. (Currently Amended): A device according to claim 1, wherein v is greater or equal to 1.
4. (Currently Amended): A device according to claim 1, wherein at least one of the groups R<sup>a</sup> is an alkyl group with 1 to 12 C-atoms which may be substituted by halogen, or an alkenyl group with 2 to 12 C-atoms which may be substituted by halogen.
5. (Currently Amended): A device according to claim 1, wherein at least one of the groups R<sup>a</sup> is -[(CR'R'')<sub>v</sub>-O]<sub>r</sub>-H.
6. (Previously Presented): A device according to claim 1, wherein said organic amine derivatives are selected from formulae I.1 to I.3

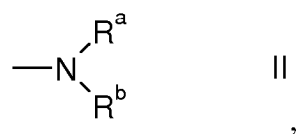


I.1



wherein

$\text{R}^1, \text{R}^2, \text{R}^3$  are independently of each other a group of formula II



$\text{R}^a, \text{R}^b,$

$\text{R}^c, \text{R}^d$  are independently of each other H,  $-(\text{CR}'\text{R}'')_v\text{-CO}]_r\text{-R}'''$ ,  $-(\text{CR}'\text{R}'')_v\text{-O-}]_r\text{-R}'''$  or  $-(\text{CR}'\text{R}'')_v\text{-NHZ}$ ,

$\text{R}', \text{R}'', \text{R}'''$  are independently of each other H, an alkyl group with 1 to 12 C-atoms which may be substituted by halogen, or an alkenyl group with 2 to 12 C-atoms which may be substituted by halogen,

Z is H or a protective group,

v is 0 or greater or equal to 1,

r is greater or equal to 1, wherein if v is 0, then r is 1,

W is O or S, and

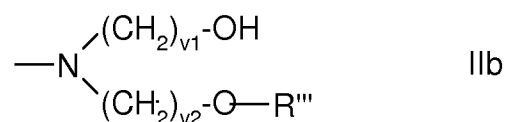
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R<sup>3</sup> may, alternatively, be an alkyl, cycloalkyl, aryl or alkylaryl group, which in each case is optionally substituted by halogen.

7. (Original): A device according to claim 6, wherein v is greater than or equal to 1.

8. (Previously Presented): A device according to claim 6, wherein in formulae I.1 to I.3 at least one of the groups R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and/or of the groups R<sup>a</sup>, R<sup>b</sup>, R<sup>c</sup>, R<sup>d</sup> comprises an alkyl group with 1 to 12 C-atoms which may be substituted by halogen, or an alkenyl group with 2 to 12 C-atoms which may be substituted by halogen.

9. (Previously Presented): A device according to claim 6, wherein said at least one organic amine derivatives is selected from formulae I.1 and I.2, and one, two or three of the groups R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> are independently of each other a group of subformula IIb



wherein

v1 is 0, 1, 2, 3 or 4,

v2 is 1, 2, 3 or 4, and

R''' is H or an alkyl group with 1 to 12 C-atoms, wherein one, more or all H-atoms may be substituted by halogen.

10. (Cancelled):

11. (Cancelled):

12. (Cancelled):

13. (Cancelled):

14. (Cancelled):

15. (Cancelled):

16. (Cancelled):

17. (Cancelled):

18. (Withdrawn): A process for the manufacture of a dielectric layer of an electronic device, said process comprising:

- a) preparing a substrate which optionally comprises one or more layers or patterns of materials with insulating, semiconductive, conductive, electronic and/or photonic functionalities,
- b) forming a thin layer of a polymerizable amine mixture comprising one or more organic amine derivatives as defined in claim 1 onto said substrate or onto defined regions of said substrate, and
- c) initiating the polymerization of the polymerizable amine mixture of said thin layer.

19. (Cancelled):

20. (Withdrawn): An electronic device obtainable by the process according to claim 18.

21. (Cancelled):

22. (Currently Amended): A device according to claim 1, wherein Z is H, formyl, tosyl, acetyl, trifluoroacetyl, methoxy, ethoxy, tert.-butoxy, cyclopentyloxy, phenoxycarbonyl, carbobenzyloxy, or p-nitrobenzyloxy.

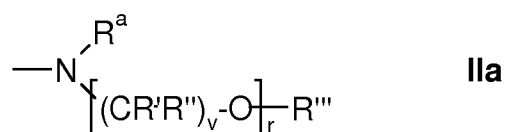
23. (Currently Amended): A device according to claim 1, wherein v is 1 to 6.

24. (Currently Amended): A device according to claim 1, wherein r is 1 to 4.

25. (Previously Presented): A device according to claim 22, wherein v is 1 to 6 and r is 1 to 4.

26. (Previously Presented): A device according to claim 6, wherein Z is H, formyl, tosyl, acetyl, trifluoroacetyl, methoxy, ethoxy, tert.-butoxy, cyclopentyloxy, phenoxycarbonyl, carbobenzyloxy, or p-nitrobenzyloxy, v is 1 to 6, and r is 1 to 4.

27. (Previously Presented): A device according to claim 6, wherein said amine derivative is selected from formula I.1 and 1.2, and one, two or three of the groups  $R^1$ ,  $R^2$ ,  $R^3$  are a group of formula IIa



28. (Cancelled):

29. (Cancelled):

30. (Previously Presented): A ~~device polymerizable amine mixture~~ according to claim 1, wherein said dielectric layer is formed from a composition comprising at least one initiator for the polymerization of said at least one organic amine derivative with itself, and said initiator component C is selected from acids or bases and compounds which set free an acid or a base.

31. (Currently Amended): A ~~device polymerizable amine mixture~~ according to claim 30, wherein said initiator component C is selected from diaryliodonium salts, triarylsulfonium salts, s-triazines, sulphonic acids, and thermal acids.

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32. (Currently Amended): A device ~~polymerizable amine mixture~~ according to claim 30, wherein said initiator component C is para-toluene sulphonic acid or ammonium nitrate.

33. (Cancelled):

34. (Cancelled):

35. (Cancelled):

36. (Cancelled):

37. (Cancelled):

38. (Cancelled):

39. (Cancelled):

40. (Cancelled):

41. (Previously Presented): A device according to claim 1, wherein said dielectric layer has a thickness of 0.01 to 50  $\mu\text{m}$ .

42. (Previously Presented): A device according to claim 1, wherein said dielectric layer has a dielectric constant which is greater or equal 4.

43. (Previously Presented): A device according to claim 1, wherein said device is a microelectronic device and/or organic electronic device or components, or is selected from resistors, diodes, transistors, integrated circuits, light emitting diodes, electrooptical displays, thin film transistors, OFETs, OLEDs, large area driving circuits for displays, LCDs, photovoltaic applications, low-cost memory devices, smart cards, electronic luggage tags, ID cards, credit cards and tickets.

44. (Cancelled):

45. (Cancelled):

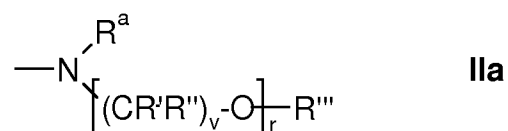
46. (Cancelled):

47. (Cancelled):

48. (Previously Presented): An electronic device according to claim 1, wherein said dielectric layer has a resistivity greater than or equal to  $10^{+10} \Omega\text{cm}$ .

49. (Previously Presented): An electronic device according to claim 1, wherein said dielectric layer has a resistivity greater than or equal to  $10^{+11} \Omega\text{cm}$ .

50. (New): An electronic device according to claim 6, wherein said organic amine derivatives are selected from formulae I.1 and I.2, and wherein one, two or three of the groups  $R^1$ ,  $R^2$ ,  $R^3$  are a group of formula IIa



51. (New): An electronic device according to claim 6, wherein said organic amine derivatives is a melamine-formaldehyde resin or urea-formaldehyde resin.

52. (New): An electronic device according to claim 1, wherein said device is an organic field effect transistor having a semiconductive material and a gate material, and wherein said dielectric layer is between the semiconductive material and the gate material.

53. (New): A process according to claim 18, wherein the resultant thin layer of polymerized amine has a thickness of 0.01 to 50  $\mu\text{m}$ .

54. (New): A process according to claim 18, wherein the resultant thin layer of

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polymerized amine is patterned after the polymerization step.

55. (New): A process according to claim 18, further comprising applying one or more further layers or patterns of materials with insulating, semiconductive, conductive, electronic and/or photonic properties onto the resultant dielectric layer.

56. (New): An electronic device according to claim 20, wherein said device is a thin film transistor, OFET, OLED, large area driving circuit for displays, an LCD, a photovoltaic device, a smart cards, electronic luggage tag, ID card, credit card or ticket.